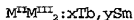


5

ABSTRACT OF DISCLOSURE

10 A green light emitting from a terbium-samarium co-
activated alkaline earth metal rare earth oxide phosphor
which is composed of an oxygen atom and a composition of
the formula:



15

[M^{II} is Mg, Ca, Sr or Ba; M^{III} is Y, La, Gd or Lu; 0<x≤0.1;
and 0<y≤0.1] upon irradiating a radiation or ultraviolet
rays can be favorably employed for measuring the radia-
tion or ultraviolet rays. The green light, if desired,
20 in combination with a red light emitting the phosphor, is
also employable for producing a radiation image.